XL-20

Security System

Owner's Manual

FIRE BURGLARY INSTRUMENTS, INC.

N9824 11/97

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Quick Reference

TURN SYSTEM ON

Check to make sure the system is READY - Green ready light is lit

Enter your four digit user code (or press the Arm button on your keyfob).

The On/Off (Arm) light will light .

Exit through a door designated by your installer as an exit/entry door.

TURN SYSTEM OFF

Enter through a door designated by your installer as an exit/entry door.

Enter your four digit user code (or press the Disarm button on your keyfob).

The System On (Arm) light will go out.

TURN SYSTEM ON AND STAY INSIDE

Check to make sure the system is READY - Green ready light is lit.

STAY Followed by your user code

The On/Off (arm) light and the Stay light will both light.

REMEMBER: You must turn the system off if you want to open the door or leave the premises after the exit time has passed.

TURN THE SYSTEM ON: PERIMETER SENSORS INSTANT MODE AND STAY INSIDE

Check to make sure the system is READY - Green ready light is lit

INSTANT followed by

STAY followed by your user code

The On/Off light, the Instant light and the Stay light will all be on.

SMOKE DETECTOR RESET

Enter your four digit user code.

Introduction

Congratulations on your decision to protect your home or business with the XL-20 security system. You have chosen a reliable, state of the art security system that is remarkably easy to operate. Your system has been professionally installed by your local Security Company who can explain the specifics of your system.

The keypad is the input and display device for your security system. Your system uses a XK-108 keypad. The XK-108 is a surface mount keypad containing indicator lights for each of the 8 zones (areas of protection). The door covering the buttons is optional and can be removed.

The XL-20 is listed by Underwriters Laboratories for Household Fire and Burglary applications.

Throughout this manual the following conventions are used to display the keystrokes required to perform the functions.

BYPASS	Button labeled BYPASS
INSTANT	Button labeled INSTANT
STAY	Button labeled STAY
CODE	Button labeled CODE
	Four digit user code

Please keep your manual in a convenient location so you can refer to it if needed.

SYSTEM REFERENCE

ZONE	DESCRIPTION
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____

Entry Time _____ Door _____ Exit Time _____

Entry Time _____ Door _____

Entry Time is the same for all designated Entry/Exit Doors.

The following SEND HELP ALERTS are programmed into my system. Both Buttons must be pressed at the same time to activate the alert. The buttons you press depend on which type of keypad you have. Your installer will show you how to activate these emergency keys.

ZONE	DESCRIPTION	BUTTONS
Left	_____	# & *
Center	_____	7 & 9
Right	_____	1 & 3

USER ID	ASSIGNED TO	
1	_____	(MASTER USER 1)
2	_____	
3	_____	
4	_____	
5	_____	
6	_____	

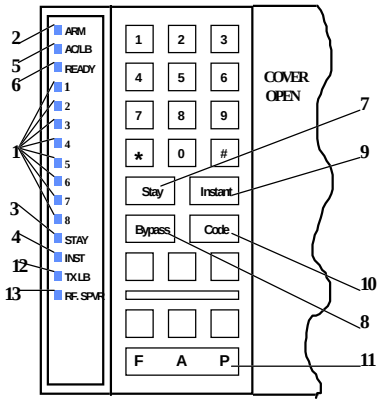
*Master User can add, change, or erase other user codes.

Monitoring Station Information

Account # _____

Telephone # _____

XK-108 KEYPAD



XK-108 KEYPAD

1) ZONE STATUS LEDS

These LEDS display the current zone status including alarms, bypasses, troubles and faults. Each condition will cause these LEDS to operate differently as follows:

ALARMS Fast Blink (approx. 150 ms. ON - 150 ms. OFF).

TROUBLES Slow Pulse (approx. 600 ms. ON - 600 ms. OFF).

BYPASSES Wink (100 ms. ON - 900 ms. OFF). Zone bypasses are displayed as a very slow wink of the zone LED light.

FAULTED ZONES Solid ON. Faulted zones are the lowest priority indication. Faulted burglary zones are displayed with the LED solidly ON while the system is disarmed.

NORMAL OFF

2) ARM/DISARM LED

This LED indicates whether the system is currently armed (ON) or disarmed (OFF). This LED will also blink fast to show that alarms have occurred or blink slowly upon failure to communicate with the Central Station.

3) STAY LED

This LED displays whether the system has been armed in the STAY mode or the STAY/INSTANT mode. If the INSTANT LED is ON and the STAY LED is ON, then the system is in the STAY/INSTANT mode. If the INSTANT LED is OFF and the STAY LED is ON, then the system is in the STAY mode only. STAY/ INSTANT is enabled in programming question 05, location 2. In either mode the STAY LED indicates the following:

ON Interior zones are bypassed

OFF Interior zones are active armedl

4) INSTANT LED

This LED displays whether the system has been armed in the STAY/INSTANT mode, meaning that the system is currently armed, all delay zones are instant and all interior zones are bypassed. **NOTE:** See programming question 05, location 2.

ON Delay zones are currently instant

OFF Delay zones are normal

5) AC/LOW BATTERY LED

This indicator light displays the current power status of the panel as follows;

ON AC is present

OFF No AC, running on battery backup

Slow Blink Low battery condition detected

6) READY LED

This LED displays whether the system is ready for arming. The READY light is common to all BURGLARY ZONES with the following indications:

ON System ready to be armed

OFF System not ready to be armed

Slow Blink Indicates Installer programming mode

Fast Blink Alarm Memory Mode

7) STAY BUTTON

The STAY button enables arming the system, excluding zones programmed as interior zones. This will provide exterior protection of the location while

allowing full access throughout the interior.

8) BYPASS BUTTON

The BYPASS button is used to temporarily exclude protection of a specific zone.

9) INSTANT BUTTON

The INSTANT button enables arming the system elimenating entry/exit delays. If enabled with the STAY button, it enables arming the system in the STAY/ INSTANT mode. **NOTE:** The INSTANT modes are enabled in question #05, location 2.

10) CODE BUTTON

The CODE button is used to enter the installer programming mode and entry of user codes.

11) KEYPAD AUXILIARY KEYS

Pressing the two keys (top & bottom) labeled "P" at the same time initiates a CS transmission, if programmed, of PANIC, AUXILIARY or FIRE, annunciates the keypad sounder and turns on the bell output. If not programmed to transmit, these keys can only result in a local warning as follows (see question 05, location 1):

Keypad Sounder - Steady for PANIC, Pulsing for FIRE and AUXILIARY

Bell Output - Steady for PANIC, Pulsing for FIRE

12) TX LB LED

This LED will pulse whenever any RF transmitter has a low battery. Also, the corresponding zone LED for that transmitter will pulse.

13) RF SPVR LED

This LED will indicate three different RF supervisory conditions and one bell output supervisory condition as follows:

No supervision conditions exist (normal)

ON RF transmitter has not checked in for more than 12 hours

BLINKING (fast) RF transmitter reports a tamper condition

BLINKING (slow) Bell Output is in supervision

TURNING THE SYSTEM ON

You can turn the Burglar portion of your security system on and off. Before you turn the system on it must be ready. If you have a protected door open, or someone is moving by a motion detector the system will not show ready.

The system is ready if the ready light is on.

TURN THE SYSTEM ON AND LEAVE

Enter your four digit user code.

The System On (Arm) light will go on.

Exit through a door designated by your installer as an exit/entry door. You must leave within the period of time known as the exit time. Check the reference sheet for the time that has been set for your system.

NOT READY

If the system is not ready to be armed, the READY light will be off and the Zone lights will show which zone or zones are not ready. The zone lights on the keypad indicate the following conditions:

Fast Blink	Alarm
Slow Blink/Low Intensity	Bypass
Slow Pulse	Trouble
Solid On	Not Ready

Example: If the Ready light is not lit and the zone one light is solid on. An alarm sensor on zone one is not normal. This might mean that a window is open or someone is walking through a motion sensor. Check all sensors on zone one and resolve the problem. When all sensors are normal the Ready light will come on and the zone light will go out.

TO TURN THE SYSTEM ON - NOT READY

Determine which zone or zones is not ready, resolve the problem and turn the system on normally. If the problem cannot be resolved you may bypass the zone that is not ready. Bypassing should only be done if the problem on the zone cannot be resolved OR if you intentionally wish to leave the zone off. Example: you wish to keep the window open for ventilation. Zones that are bypassed are not protected when the system is on. See Bypass for the correct procedure.

TURN SYSTEM ON AND STAY INSIDE

To turn the perimeter portion of your burglar alarm on and move around freely inside is the STAY mode.

Check to make sure the system is READY; when ready press:

STAY Followed by your user code.

If successful the On/Off (arm) light will be lit and the Stay light will also be lit.

REMEMBER: You must turn the system off if you want to open the door or leave the premises after the exit time has passed.

TURN THE SYSTEM ON: PERIMETER SENSORS INSTANT MODE AND STAY INSIDE

In **INSTANT STAY** mode the perimeter portion of your burglar alarm system is on and the time delays are eliminated from your normal entry/exit door(s). All interior protection is off so you are free to move around inside.

Check to make sure the system is READY, when ready press:

INSTANT followed by

STAY followed by your user code.

If successful the On/Off light, the Instant light and the Stay light will all be on.

TURN THE SYSTEM ON WITH ALL SENSORS IN INSTANT RESPONSE MODE

In **INSTANT** mode all alarm sensors will report an alarm immediately if activated including the doors that normally have a delay to allow you to turn the system off.

Check to make sure the system is READY, when ready press:

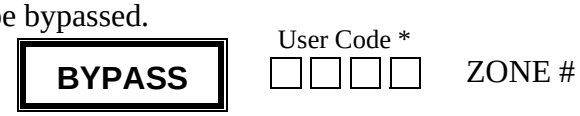
INSTANT followed by your user code.

If successful the On/Off light and the Instant light be on.

BYPASS

Bypass excludes a zone of protection from the security system until it is unbypasssed or until the next time you disarm the system. Bypassing can only be done while the system is turned off.

Press the Bypass Button followed by your user code and then the Zone # (1-8) to be bypassed.



If Quick Bypass is enabled, you need only to press the Bypass button and the Zone #.

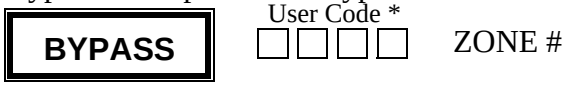
NOTE: Bypassed zones are not protected when the system is turned on. After the bypass command has been accepted the keypad will sound one long beep and the zone or zones bypassed will slowly blink.

NOTE: Temporary users (i.e. baby sitters, housekeepers, etc.) should not be shown the Bypass procedure.

UNBYPASS

Unbypass returns a bypassed zone to normal operation.

Unbypass is a repeat of the bypass function.



After unbypassing the zone display will show the state of the zones.

* Code is not requiered if your system was programmed with quick bypass.

TURN THE SYSTEM OFF

When you turn off the system you turn off only the burglar portion of your system, any smoke or heat detectors and panic buttons will remain on. You must enter through a designated entry door and turn off the system within the time allowed. You can have different amounts of time for different entry points. See your system reference sheet for the times established for your system.

Enter your four digit user code.

If no alarms have taken place, the On/Off light (labeled arm) will go off.

If alarms occurred when the system was on , or if a trouble condition exists they will display on the zone indicator lights as follows:

Fast Blink	Alarm
Slow Blink/Low Intensity	Bypass
Slow Pulse	Trouble
Solid On	Not Ready

Burglary Alarms will sound a steady sound through the keypad(s) and fire alarms will generate a pulsing sound.

Important: If an intrusion has taken place while you were away, do not enter until the location has been checked. Call for help from a neighbor's house and wait for the police.

After you have turned the system off with your user code the keypad will indicate alarm memory.

To clear the display of the alarm or trouble conditions and silence the audible alert :

Enter your four digit user code again.

USER CODES

ADD OR CHANGE A USER CODE

Users can be entered or modified directly through the keypad. Your system can have up to 6 different User Codes. User #1 is the Master User and is the only one allowed to add, or delete other users.

Press the Code button followed by the four digit master user code then the user # and the new four digit user code. The keypad will beep after each digit is pressed.

	Master User Code	User ID	New User Code
CODE	☐☐☐☐	1-6	☐☐☐☐

There is a record sheet provided in the back of the book to help you plan and record your users. On this sheet your installer will indicate if you have chosen to dedicate a user code to send an emergency signal in the case of Ambush or Duress. You may also have chosen to reserve one user code that is only allowed to turn the system on, this code will not be able to turn the system off.

DELETE A USER CODE

To delete user #3, press the code button followed by the four digit master user code, then the user # then * to delete.

	Master User Code	User ID	New User Code
CODE	☐☐☐☐	**3**	☐☐☐☐

NOTE: User #1, the master user, cannot be deleted but it can be changed using the ADD OR CHANGE USER PROCEDURE.

KEYPAD FUNCTIONS

TURN SYSTEM ON ONLY (Maid Code)

If you choose to have a code that cannot turn the system off, but can turn the system on, have your installer program this feature. If programmed, user code #5 will have System On capability only and you can issue this code to a temporary user so they can secure the premises when they leave.

KEYPAD - SEND HELP CONDITIONS

Your system can be programmed for three separate Send Help Alerts which would send an emergency signal to your central station. These three alerts, along with their keypad combinations, are shown below:

Fire	Panic	Aux
[7] [9]	[*] [#]	[1] [3]

Duress

Your system can be programmed to send an emergency signal to the Central Station if you are forced to enter the premises. If you choose to include this feature, User Code number 6 is dedicated to this function and must only be used under a duress circumstance.

Quick On - (Quick Arming) Yes ☐ No ☐

If programmed by your installer, QUICK ON, or Quick Arming allows you to turn the system on to the away mode without user code.

1

Quick Forced On - Yes ☐ No ☐

If programmed by your installer Quick Forced On, allows you to turn the burglar portion of your alarm system on to the away mode bypassing all zones that are not ready.

2

NOTE: A valid user code is still required to turn the system off. This feature is disabled on UL installations.

Quick Exit - Yes ☐ No ☐

If enabled, this feature allows the user to exit without having to disarm then arm the system. It will be activated by pressing the [STAY] key while the system is armed and not in entry delay. this will start exit time, cause the keypad to beep once and allow the user to exit without disarming the system. The system will return to its last armed state after exit time sa expired.

Quick Bypass - Yes ☐ No ☐

If you have quick bypass programmed for your system you will not have to use your user code to bypass zones. The quick bypass procedure is:

BYPASS ZONE (1-8)

NOTE: Bypassed zones are not protected when the system is turned on. After the bypass command has been accepted the keypad will sound one long beep and the zone or zones bypassed will slowly blink.

Set Time and Date

To set the time and date:

Press # 3 ☐☐ [hours] ☐☐ [minutes] ☐☐ [month] ☐☐

[day] ☐☐ [year]

where hours (01-23), minutes (00-59), month (01-12), day (01-31) and year (00-99).

Note: In order to acknowledge your entry, a beep will sound after setting each component of the time and date.

Turn Chime On/Off

Chime is an optional feature that causes the keypad to chime when selected doors are opened when the burglary protection is off or disarmed.

Only your installer can program a zone for the chime feature, but once programmed you can turn chime on or off to meet your daily needs. To turn chime on or off.

Press # 6

SYSTEM TEST

It is recommended that you test your system once a week using the following procedure:

NOTE: If your system is monitored, contact your Central Station before you perform this test.

1. Turn your Security System on.
2. Wait until your exit time is over and them activate the system by opening a protected zone. (For example: a window or door).
3. Confirm that the alarm sounding device (bell or siren) sounds. If your system is connected to a central station the keypad will sound the ringback tone to confirm that the signal was received.
4. Turn the Security System off.
5. Call the Central Station to tell them you are done testing.

BATTERY TEST

It is recommended that you test your Battery once a month. In order to test your backup/standby battery, the following procedure should be followed:

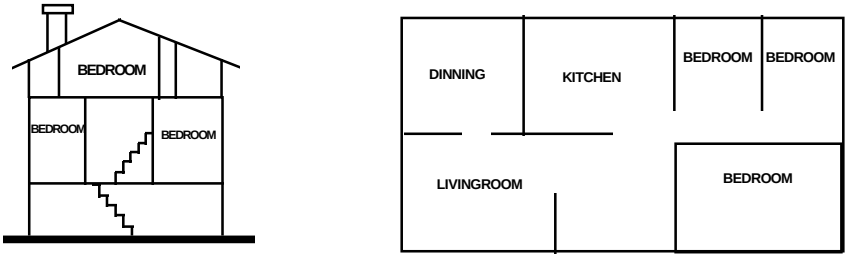
1. Unplug the transformer from the AC outlet by removing the restraining screw which secures the transformer to the wall. (Note: the screw is not present on the models sold in Canada.)
2. Observe that the AC indicator light on the keypad goes off.
3. Activate your alarm by performing the above SYSTEM TEST. Remember to contact your Central Station if your system is monitored.
4. Plug the transformer into the AC outlet and secure with the restraining screw. (Note: the screw is not present on the models sold in Canada.)

The National Fire Protective Association publishes a standard for fire warning equipment (NFPA publication #74). Further information can be obtained by contacting: NFPA Public Affairs Dept., Batterymarch Park, Quincy, MA 02269.

If you have any further questions about the operation of your system, please contact your alarm company.

INSTALLATION LAYOUT

Early warning fire detection is best achieved by the installation of fire detection equipment in the location as follows:



Typical Smoke Detector Layout

In homes with more than one sleeping area a smoke detector should be provided to protect each area. Smoke detectors shall be located between the sleeping area and the rest of the house. In the diagram above, a + represents a smoke detector.

NOTE: Refer to N.F.P.A. 874 Appendix B1.1 through B-10.

Preparation of an evacuation plan is of prime importance in fire prevention. Establish a household or business emergency evacuation plan to be followed in the event of a fire.

1. Evaluate possible escape routes from your home or business.
2. Select 2 escape routes from each room.
3. Rooms on the second floor should have a rope ladder (make sure it reaches the ground) or fire escape.
4. Draw a rough sketch of your escape plan so everyone is familiar with it.
5. Practice your escape plan to make sure everyone knows what to do.
6. Establish a meeting place outside where everyone will meet.
7. Advise the local fire authority that you have installed a fire alarm system.
8. When the fire alarm signals, LEAVE IMMEDIATELY. Do not stop for belongings.

9. If a fire occurs, test the door. If hot, use your alternate route. If the door is cool, brace your shoulder against it and open it cautiously. Shut the door to help prevent the fire and smoke from spreading. Crawl through smoke holding your breath.
10. Contact the Fire Department from a neighboring house or business.
11. Everyone, including neighbors, should be familiar with your Fire and Burglary audible alarm sounders.

Fire Alarm Sound is: _____

Burglar Alarm Sound is:_____

SYSTEM LIMITATIONS

LIMITATIONS OF THIS ALARM SYSTEM

While this system is an advanced design security system, it does not offer guaranteed protection against burglary, fire, or other emergency. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
- Intrusion detectors (e.g. passive infrared detectors), smoke detectors, and many other sensing devices will not work without batteries, or if the batteries are not put in properly. Devices powered solely by AC will not work if their AC power supply is cut off for any reason, however briefly.
- Signals sent by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a key role in reducing residential fire deaths in the United States, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with the System may not work are as follows: Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level of a residence or building. A second floor detector, for example, may not sense a first floor or basement fire. Moreover, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending on the nature of the fire and/or the location of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow all occupants to escape in time to prevent injury or death.
- Passive Infrared Motion Detectors can only detect Intrusion within the designed ranges as diagrammed in their Installation Manual. Passive Infrared Detectors do not provide volumetric area protection. They do create multiple beams of protection, and Intrusion can only be detected in unobstructed areas covered by the beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors or windows. Mechanical tampering, masking, painting or spraying, of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Passive Infrared Detectors sense changes in temperature; however, as the ambient temperature of the

protected area approaches the temperature range of 90 degrees to 150 degrees Fahrenheit, the detection performance can decrease.

- Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers who are located on the other side of closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to waken or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled by noise from a stereo, radio, air conditioner, other appliances, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or waken deep sleepers.
- Telephone lines needed to transmit alarm signals from a premises to a central monitoring station may be out of service or temporarily out of service. Telephone lines are also subject to compromise by sophisticated intruders.
- However, even if the system responds to the emergency as intended occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last as long as 10 years, the electronic components could fail at any time.

The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors are working properly.

Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

We continue to develop new and improved protection devices. Users of alarm systems owe it to themselves and their loved ones to learn about these developments.

GLOSSARY

AC INDICATOR: Yellow LED on keypad labeled AC/LB. When lit, the system is running on electricity; when not lit, the system is running on the backup battery.

ALARM: Sound from keypad or other horn/siren indicates a burglar alarm, fire alarm or other condition you should be alerted to.

ARMED: See ON/OFF

AWAY: A system setting that protects the premises while it is unoccupied. All burglary sensors are active.

BURGLARY/FIRE: The two major functions of a Security System. Fire protection is always on and cannot be turned off. The Burglary sensors protect against unauthorized entry into your premises. The Burglary protection can be turned on and off and programmed for special levels of access and notification.

BYPASS FEATURE: The Bypass Feature allows you to exclude a selected zone or zones from the burglar alarm protection.

BYPASS BUTTON: A button on the keypad used to activate the Bypass Feature.

CENTRAL STATION: Signal Monitoring Center contacted by your Security System over the telephone and/or other communication channels when alarms are activated if your system is programmed to communicate alarms off site. The Central Station will follow their procedures and your instructions for contacting the proper authorities when a signal is received.

CHIME FEATURE: An optional feature that causes the keypad to chime for one second when selected doors are opened when the burglary protection is off or disarmed. Once programmed by your installer you can turn chime on and off with #6.

DURESS: Duress is a system feature the you may have programmed into your system. If someone should force you to turn your system off, you would use the special Duress user code and the system would turn off and it would also send a silent duress emergency to the Central Station so they could respond appropriately.

ENTRY DELAY: The period of time allowed between opening a designated entry/exit door and turning off the alarm system before the system will register an alarm condition. This is determined at the time of installation. Your system supports two entry times allowing you to have a different length of time for different doors.

EXIT DELAY: The period of time allowed between turning the system on and leaving through a designated exit/entry door. This is determined at the time of installation.

INTERIOR ZONE: An interior zone is a group of points that protect the interior of your premises. You may want to turn the perimeter portion of your system on while leaving the interior zones off allowing you to move freely inside, opening interior doors and passing by motion detectors without causing an alarm.

KEYPAD: A Keypad is your link into your system. It displays alarm and trouble messages,

shows faulted zones and allows you to turn the system on/off by using the buttons. Your system will have one or more keypads.

ON/OFF: These terms refer to the burglary portion of your security system. There are several levels of operation which allow you to protect part of your premises while you remain inside. Fire sensors and other emergency and environmental conditions are always active and ready and are not affected in any way by turning the burglary portion of your Security System on or off. Armed, a term that is sometimes used means system on and Disarmed means system off. See ON-INSTANT, ON-STAY and STAY.

ON/OFF INDICATOR: Red light in the upper portion of the keypad labeled Armed. When lit, some part of the burglar alarm system is on; when not lit, the burglary portion of the system is off.

ON-STAY: A system setting that turns on the perimeter protection of the building but allows movement throughout the inside.

PANIC BUTTON: A push button which allows you to signal the Central Station that you need immediate assistance. Your system has programmable Keypad Send Help Alerts which can also serve as Panic buttons.

PERIMETER ZONE: A perimeter zone is a group of points that protect the exterior of your premises. Your outside doors and windows would be programmed as a perimeter zone.

SENSOR: The actual alarm sensor, detector or device installed to detect an intrusion, fire, or environmental problem. Examples include: door contacts, window contacts, motion sensors, glass break sensors, smoke detectors, rate of rise heat detectors, temperature sensors, flood/water sensors, and carbon monoxide gas detectors.

SILENT CONDITION: Most types of alarms and troubles alert you with the keypad sounder and the sirens, horns, or speakers located in your premises. The intent is to advise you of the alarm or trouble and allow you to respond promptly. The audible sounds also let an intruder know that they have been detected and will hopefully scare them away. In some circumstances, an audible alarm might put your life in danger and so those alarms are programmed as silent conditions. For an example see DURESS.

SYSTEM: Your Security System is composed of three main parts: 1) the Control Panel which functions as the system brain and the link to the Monitoring Agency (Central Station), 2) the Keypad(s) which provide you with system status and allow you input commands, 3) Security Sensors such as door and window contacts, motion sensors, smoke detectors and other sensors as required to detect intrusion, fire and other conditions as needed for your premises.

USER CODE: A user code is a 4 digit code which is required to operate the system. The system supports up to 6 separate user codes. The system supports one master user who can add/delete other user codes. Two of the user codes may be dedicated to special functions as defined by your alarm company at the time of installation. (See the User Code List in the back of this manual)

ZONE: A zone is a collection of sensors with common characteristics grouped together for your operating convenience. The system will support 6 zones or groupings.

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is. in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a class B computing device in accordance with the specifications in Subpart J Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on, the user is encouraged to try and correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Re-orient the receiving antenna until interference is reduced or eliminated.
- Move the receiver away from any wire runs to the control/communicator.
- Plug the control/communicator into a different outlet so that it and the receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00450-7.

The user shall not make any changes or modifications to the equipment unless authorized by the installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

TELEPHONE OPERATIONAL PROBLEMS

In the event of telephone operational problems, disconnect the control by removing the plug from the RJ31X wall jack. We recommend that your certified installer demonstrate disconnecting the phones on installation of the system. Do not disconnect the phone connection inside the control/communicator. Doing so will result in the loss of your phone lines. If the regular phone works correctly after the control/communicator has been disconnected from the phone lines, the control/communicator has a problem and should be returned for repair. If upon disconnection of the control/communicator, there is still a problem on the line, notify the telephone company that they have a problem and request prompt repair service. The user may not under any circumstances (in or out of warranty) attempt any service or repairs to the system. It must be returned to the factory or an authorized service agency for all repairs.

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LIMITED WARRANTY

Fire Burglary Instruments, Inc.,. a subsidiary of Pittway Corporation, and Pittway Corporation, its divisions, subsidiaries and affiliates ("Seller"), 149 Eileen Way, Syosset, New York 11791, warrants its security equipment (the "product") to be free from defects in material and workmanship for one year from date of original purchase, under normal use and service. Seller's obligation is limited to repairing or replacing, at its option, free of charge for parts, labor, or transportation, any product proved to be defective in materials or workmanship under normal use and service. Seller shall have no obligation under this warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than the Seller. In case of defect, contact the security professional who installed and maintains your security equipment or the Seller for product repair.

This one year Limited Warranty is in lieu of all other expressed warranties, obligations or liabilities. THERE ARE NO EXPRESS WARRANTIES, WHICH EXTEND BEYOND THE FACE HEREOF. ANY IMPLIED WARRANTIES, OBLIGATIONS OR LIABILITIES MADE BY SELLER IN CONNECTION WITH THIS PRODUCT, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE, ANY ACTION FOR BREACH OF ANY WARRANTY, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN 60 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT. Some states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Seller does not represent that the product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery, fire or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. HOWEVER, IF SELLER IS HELD LIABLE, WHETHER DIRECTLY OR INDIRECTLY, FOR ANY LOSS OR DAMAGE ARISING UNDER THIS LIMITED WARRANTY OR OTHERWISE, REGARDLESS OF CAUSE OR ORIGIN, SELLER'S MAXIMUM LIABILITY SHALL NOT IN ANY CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT, WHILE SHALL BE THE COMPLETE AND EXCLUSIVE REMEDY AGAINST SELLER. This warranty gives youspecific legal rights, and you may also haveother rights which vary from state to state. No increase of alteration, written or verbal, to this warranty is authorized.

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